

SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, DC 20549

FORM S-8REGISTRATION STATEMENT
UNDER
THE SECURITIES ACT OF 1933

STERIS CORPORATION

(Exact Name of Registrant as Specified in Its Charter)

OHIO

(State or Other Jurisdiction of Incorporation or Organization)

34-1482024

(I.R.S. Employer Identification No.)

5960 HEISLEY ROAD, MENTOR, OHIO 44060-1868

(Address of Principal Executive Offices) (Zip Code)

STERIS CORPORATION 401(k) PLAN

(Full Title of the Plan)MICHAEL A. KERESMAN, III,
SENIOR VICE PRESIDENT, CHIEF FINANCIAL OFFICER AND
SECRETARY
STERIS CORPORATION, 5960 HEISLEY ROAD, MENTOR, OHIO 44060-1868-----
(Name and Address of Agent For Service)

216-354-2600

(Telephone Number, Including Area Code, of Agent For Service)

CALCULATION OF REGISTRATION FEE

Title of Securities to be Registered	Amount to be Registered	Proposed Maximum Offering Price Per Share*	Proposed Maximum Aggregate Offering Price*	Amount of Registration Fee*
Common Shares, without par value	1,000,000	\$29	\$29,000,000	\$10,000

* Pursuant to Rule 457 of the Securities Act of 1933, figures are based on the average of the high and low prices for STERIS Common Shares as reported on the Nasdaq National Market System as of July 31, 1996.

REGISTRATION OF ADDITIONAL SECURITIES

Pursuant to General Instruction E of Form S-8, this Registration Statement represents the registration of additional securities of the same class as those registered on Registration Statement No. 33-55976 on Form S-8 filed by STERIS Corporation ("STERIS") with the Securities and Exchange Commission (the "Commission") on December 21, 1992.

PART II
INFORMATION REQUIRED IN THE REGISTRATION STATEMENT

The following documents filed with the Commission by STERIS (File No. 0-20165) are incorporated herein by reference: (a) STERIS's Registration Statement No. 33-55976 on Form S-8 filed with the Commission on December 21, 1992 and (b) STERIS's Registration Statement No. 333-1610 on Form S-4 filed with the Commission on April 1, 1996.

The following documents filed with the Commission by AMSCO International, Inc. ("AMSCO") (File No. 1-10705) are incorporated herein by reference: (a) AMSCO's Annual Report of Form 10-K for the fiscal year ended December 31, 1995 filed with the Commission on March 26, 1996 and (b) AMSCO's Quarterly Report on Form 10-Q for the quarterly period ended March 31, 1996, filed with the Commission on May 3, 1996.

Item 5. Interests of Named Experts and Counsel

Roy L. Turnell, a partner of Thompson, Hine and Flory, P.L.L., is Assistant Secretary of STERIS Corporation.

Item 9. Undertakings

The undersigned registrant hereby undertakes to submit the STERIS Corporation 401(k) Plan, as amended, (the "Plan") to the Internal Revenue Service ("IRS") in a timely manner and will make all changes required by the IRS in order to qualify the Plan.

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, the Registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-8 and has duly caused this Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Mentor, State of Ohio, on this 7th day of August, 1996.

STERIS CORPORATION,
Registrant

/s/ Michael A. Keresman, III

Michael A. Keresman, III, Senior Vice
President, Chief Financial Officer
and Secretary

Pursuant to the requirements of the Securities Act of 1933, this Registration Statement has been signed by the following persons in the capacities and on the date indicated.

Title and Description -----	Date ----
Bill R. Sanford, Chairman of the Board, President, Chief Executive Officer, and Director (Principal Executive Officer); Michael A. Keresman, III, Senior Vice President, Chief Financial Officer, and Secretary (Principal Financial and Accounting Officer); Russell L. Carson, Director; Raymond A. Lancaster, Director; Thomas J. Magulski, Director; J.B. Richey, Director; Jerry E. Robertson, Ph.D., Director; Frank E. Samuel, Jr., Director; Loyal W. Wilson, Director.	August 7, 1996

By: /s/ Michael A. Keresman, III

Michael A. Keresman, III,
Attorney-in-Fact

Pursuant to the requirements of the Securities Act of 1933, the trustee has duly caused this registration statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Cleveland, State of Ohio, on August 7, 1996.

STERIS CORPORATION 401(k) PLAN

By /s/ Michael F. Pope

Michael F. Pope
Trust Officer
Key Trust Company of Ohio, N.A.

STERIS Corporation

Index to Exhibits

Form S-8 Exhibit No. -----	Description -----	Sequential Page No. -----
4.1	1992 Amended Articles of Incorporation of STERIS Corporation as amended by the 1996 Amendment	Incorporated herein by reference to Exhibit 4.2 to the Registration Statement on Form S-3 filed on June 21, 1996
15.1	Letter of Arthur Andersen LLP re: Unaudited Interim Financial Information	
23.1	Consent of Ernst & Young LLP	
23.2	Consent of Arthur Andersen LLP	
23.3	Consent of Thompson Hine & Flory P.L.L.	
24.1	Powers of Attorney	

August 1, 1996

Mr. Michael A. Keresman
Chief Financial Officer
STERIS Corporation
5960 Heisley Road
Mentor, Ohio 44060-1868

Dear Mr. Keresman:

We are aware that STERIS Corporation has incorporated by reference in its Registration Statement on Form S-8 the AMSCO International, Inc. Form 10-Q for the quarter ended March 31, 1996, which includes our report dated April 10, 1996, covering the unaudited interim financial information contained therein. Pursuant to Regulation C of the Securities Act of 1933, that report is not considered a part of the registration statement prepared or certified by our firm or a report prepared or certified by our firm within the meaning of Sections 7 and 11 of the Act.

/s/ Arthur Andersen LLP
ARTHUR ANDERSEN LLP

CONSENT OF INDEPENDENT AUDITORS

We consent to the incorporation by reference in the Registration Statement on Form S-8 and related Prospectus pertaining to the STERIS Corporation 401(k) Plan of our report dated April 22, 1996, with respect to the consolidated financial statements and schedule of STERIS Corporation included in its Annual Report (Form 10-K) for the year ended March 31, 1996, filed with the Securities and Exchange Commission.

/s/ Ernst & Young LLP

ERNST & YOUNG LLP

Cleveland, Ohio
July 31, 1996

CONSENT OF INDEPENDENT PUBLIC ACCOUNTANTS

As independent public accountants, we hereby consent to the incorporation by reference in this Registration Statement (Form S-8) of the STERIS Corporation of our report dated January 31, 1996 (except with respect to the matter discussed in Note 18, as to which the date is March 21, 1996) included in the AMSCO International, Inc. Form 10-K for the year ended December 31, 1995, and to all references to our Firm included in this registration statement.

Pittsburgh, Pennsylvania
August 1, 1996

/s/ Arthur Andersen

ARTHUR ANDERSEN LLP

CONSENT OF THOMPSON HINE & FLORY P.L.L.

We hereby consent to the incorporation by reference in this Registration Statement on Form S-8 of our opinion dated December 21, 1992 included as Exhibit 5(a) to Registration Statement No. 33-55976.

/s/ Thompson Hine & Flory P.L.L.

THOMPSON, HINE & FLORY P.L.L.

August 7, 1996

STERIS CORPORATION
-----POWER OF ATTORNEY

The undersigned, an officer or director, or both an officer and director of STERIS Corporation ("STERIS"), an Ohio corporation, which anticipates filing with the Securities and Exchange Commission, Washington, D.C. under the provisions of the Securities Act of 1933, as amended, a Registration Statement on Form S-8, with respect to the issuance of STERIS Common Shares which will be issued and sold pursuant to the STERIS Corporation 401(k) Plan (the "Plan") (or under a new employee 401(k) plan which may be adopted), hereby constitutes and appoints Bill R. Sanford, Michael A. Keresman, III and Roy L. Turnell, and each of them, as attorney for the undersigned, with full power of substitution and resubstitution, for and in the name, place, and stead of the undersigned, to sign and file the proposed Registration Statement and any and all amendments, post-effective amendments, and exhibits thereto, and any and all applications and other documents to be filed with the Securities and Exchange Commission pertaining to such securities or such registration with full power and authority to do and perform any and all acts and things whatsoever requisite and necessary to be done in the premises, hereby ratifying and approving the acts of such attorney or any such substitute or substitutes.

IN WITNESS WHEREOF, the undersigned has hereunto set his or her hand as of July 17, 1996.

/s/ Russell L. Carson

STERIS CORPORATION

POWER OF ATTORNEY

The undersigned, an officer or director, or both an officer and director of STERIS Corporation ("STERIS"), an Ohio corporation, which anticipates filing with the Securities and Exchange Commission, Washington, D.C. under the provisions of the Securities Act of 1933, as amended, a Registration Statement on Form S-8, with respect to the issuance of STERIS Common Shares which will be issued and sold pursuant to the STERIS Corporation 401(k) Plan (the "Plan") (or under a new employee 401(k) plan which may be adopted), hereby constitutes and appoints Bill R. Sanford, Michael A. Keresman, III and Roy L. Turnell, and each of them, as attorney for the undersigned, with full power of substitution and resubstitution, for and in the name, place, and stead of the undersigned, to sign and file the proposed Registration Statement and any and all amendments, post-effective amendments, and exhibits thereto, and any and all applications and other documents to be filed with the Securities and Exchange Commission pertaining to such securities or such registration with full power and authority to do and perform any and all acts and things whatsoever requisite and necessary to be done in the premises, hereby ratifying and approving the acts of such attorney or any such substitute or substitutes.

IN WITNESS WHEREOF, the undersigned has hereunto set his or her hand as of July 18, 1996.

/s/ Raymond A. Lancaster

STERIS CORPORATION
-----POWER OF ATTORNEY

The undersigned, an officer or director, or both an officer and director of STERIS Corporation ("STERIS"), an Ohio corporation, which anticipates filing with the Securities and Exchange Commission, Washington, D.C. under the provisions of the Securities Act of 1933, as amended, a Registration Statement on Form S-8, with respect to the issuance of STERIS Common Shares which will be issued and sold pursuant to the STERIS Corporation 401(k) Plan (the "Plan") (or under a new employee 401(k) plan which may be adopted), hereby constitutes and appoints Bill R. Sanford, Michael A. Keresman, III and Roy L. Turnell, and each of them, as attorney for the undersigned, with full power of substitution and resubstitution, for and in the name, place, and stead of the undersigned, to sign and file the proposed Registration Statement and any and all amendments, post-effective amendments, and exhibits thereto, and any and all applications and other documents to be filed with the Securities and Exchange Commission pertaining to such securities or such registration with full power and authority to do and perform any and all acts and things whatsoever requisite and necessary to be done in the premises, hereby ratifying and approving the acts of such attorney or any such substitute or substitutes.

IN WITNESS WHEREOF, the undersigned has hereunto set his or her hand as of July 17, 1996.

/s/ Thomas J. Magulski

STERIS CORPORATION

POWER OF ATTORNEY

The undersigned, an officer or director, or both an officer and director of STERIS Corporation ("STERIS"), an Ohio corporation, which anticipates filing with the Securities and Exchange Commission, Washington, D.C. under the provisions of the Securities Act of 1933, as amended, a Registration Statement on Form S-8, with respect to the issuance of STERIS Common Shares which will be issued and sold pursuant to the STERIS Corporation 401(k) Plan (the "Plan") (or under a new employee 401(k) plan which may be adopted), hereby constitutes and appoints Bill R. Sanford, Michael A. Keresman, III and Roy L. Turnell, and each of them, as attorney for the undersigned, with full power of substitution and resubstitution, for and in the name, place, and stead of the undersigned, to sign and file the proposed Registration Statement and any and all amendments, post-effective amendments, and exhibits thereto, and any and all applications and other documents to be filed with the Securities and Exchange Commission pertaining to such securities or such registration with full power and authority to do and perform any and all acts and things whatsoever requisite and necessary to be done in the premises, hereby ratifying and approving the acts of such attorney or any such substitute or substitutes.

IN WITNESS WHEREOF, the undersigned has hereunto set his or her hand as of July 19, 1996.

/s/ J.B. Richey

STERIS CORPORATION
-----POWER OF ATTORNEY

The undersigned, an officer or director, or both an officer and director of STERIS Corporation ("STERIS"), an Ohio corporation, which anticipates filing with the Securities and Exchange Commission, Washington, D.C. under the provisions of the Securities Act of 1933, as amended, a Registration Statement on Form S-8, with respect to the issuance of STERIS Common Shares which will be issued and sold pursuant to the STERIS Corporation 401(k) Plan (the "Plan") (or under a new employee 401(k) plan which may be adopted), hereby constitutes and appoints Bill R. Sanford, Michael A. Keresman, III and Roy L. Turnell, and each of them, as attorney for the undersigned, with full power of substitution and resubstitution, for and in the name, place, and stead of the undersigned, to sign and file the proposed Registration Statement and any and all amendments, post-effective amendments, and exhibits thereto, and any and all applications and other documents to be filed with the Securities and Exchange Commission pertaining to such securities or such registration with full power and authority to do and perform any and all acts and things whatsoever requisite and necessary to be done in the premises, hereby ratifying and approving the acts of such attorney or any such substitute or substitutes.

IN WITNESS WHEREOF, the undersigned has hereunto set his or her hand as of July 19, 1996.

/s/ Jerry E. Robertson

STERIS CORPORATION
-----POWER OF ATTORNEY

The undersigned, an officer or director, or both an officer and director of STERIS Corporation ("STERIS"), an Ohio corporation, which anticipates filing with the Securities and Exchange Commission, Washington, D.C. under the provisions of the Securities Act of 1933, as amended, a Registration Statement on Form S-8, with respect to the issuance of STERIS Common Shares which will be issued and sold pursuant to the STERIS Corporation 401(k) Plan (the "Plan") (or under a new employee 401(k) plan which may be adopted), hereby constitutes and appoints Bill R. Sanford, Michael A. Keresman, III and Roy L. Turnell, and each of them, as attorney for the undersigned, with full power of substitution and resubstitution, for and in the name, place, and stead of the undersigned, to sign and file the proposed Registration Statement and any and all amendments, post-effective amendments, and exhibits thereto, and any and all applications and other documents to be filed with the Securities and Exchange Commission pertaining to such securities or such registration with full power and authority to do and perform any and all acts and things whatsoever requisite and necessary to be done in the premises, hereby ratifying and approving the acts of such attorney or any such substitute or substitutes.

IN WITNESS WHEREOF, the undersigned has hereunto set his or her hand as of July 23, 1996.

/s/ Frank E. Samuel, Jr.

STERIS CORPORATION
-----POWER OF ATTORNEY

The undersigned, an officer or director, or both an officer and director of STERIS Corporation ("STERIS"), an Ohio corporation, which anticipates filing with the Securities and Exchange Commission, Washington, D.C. under the provisions of the Securities Act of 1933, as amended, a Registration Statement on Form S-8, with respect to the issuance of STERIS Common Shares which will be issued and sold pursuant to the STERIS Corporation 401(k) Plan (the "Plan") (or under a new employee 401(k) plan which may be adopted), hereby constitutes and appoints Bill R. Sanford, Michael A. Keresman, III and Roy L. Turnell, and each of them, as attorney for the undersigned, with full power of substitution and resubstitution, for and in the name, place, and stead of the undersigned, to sign and file the proposed Registration Statement and any and all amendments, post-effective amendments, and exhibits thereto, and any and all applications and other documents to be filed with the Securities and Exchange Commission pertaining to such securities or such registration with full power and authority to do and perform any and all acts and things whatsoever requisite and necessary to be done in the premises, hereby ratifying and approving the acts of such attorney or any such substitute or substitutes.

IN WITNESS WHEREOF, the undersigned has hereunto set his or her hand as of July 16, 1996.

/s/ Bill R. Sanford

STERIS CORPORATION
-----POWER OF ATTORNEY

The undersigned, an officer or director, or both an officer and director of STERIS Corporation ("STERIS"), an Ohio corporation, which anticipates filing with the Securities and Exchange Commission, Washington, D.C. under the provisions of the Securities Act of 1933, as amended, a Registration Statement on Form S-8, with respect to the issuance of STERIS Common Shares which will be issued and sold pursuant to the STERIS Corporation 401(k) Plan (the "Plan") (or under a new employee 401(k) plan which may be adopted), hereby constitutes and appoints Bill R. Sanford, Michael A. Keresman, III and Roy L. Turnell, and each of them, as attorney for the undersigned, with full power of substitution and resubstitution, for and in the name, place, and stead of the undersigned, to sign and file the proposed Registration Statement and any and all amendments, post-effective amendments, and exhibits thereto, and any and all applications and other documents to be filed with the Securities and Exchange Commission pertaining to such securities or such registration with full power and authority to do and perform any and all acts and things whatsoever requisite and necessary to be done in the premises, hereby ratifying and approving the acts of such attorney or any such substitute or substitutes.

IN WITNESS WHEREOF, the undersigned has hereunto set his or her hand as of July 17, 1996.

/s/ Loyal W. Wilson
